

## CLAIMS

1. An adhesion inhibiting material for a spine/spinal cord surgery in the form of a sponge, a film or a suspension to be used for reducing the degree of adhesion or for inhibiting adhesion caused by a spine/spinal cord surgery, which contains a crosslinked acid polysaccharide.
2. The adhesion inhibiting material according to Claim 1, wherein the time until the dissolution rate of the crosslinked acid polysaccharide becomes 50% in a phosphate buffered physiological saline (pH 7.4) at 60°C, is at least 15 hours.
3. The adhesion inhibiting material according to Claim 2, wherein the acid polysaccharide is hyaluronic acid and/or carboxymethylcellulose.
4. The adhesion inhibiting material according to any one of Claims 1 to 3, wherein the crosslinking structure of the crosslinked acid polysaccharide is an ester bond.
5. The adhesion inhibiting material according to Claim 4, wherein the crosslinking structure of the crosslinked acid polysaccharide is a self-crosslinking ester bond.
6. The adhesion inhibiting material according to any one of Claims 1 to 5, which has a thickness of from 2 mm to 10 mm in the form of a dry sponge.
7. The adhesion inhibiting material according to any one of Claims 1 to 6, which has a pore size of from 50 µm to 200 µm in the form of a dry sponge.
8. The adhesion inhibiting material according to any one

of Claims 1 to 5, which has a thickness of from 50  $\mu\text{m}$  to 1 mm in the form of a dry film.

9. The adhesion inhibiting material according to any one of Claims 1 to 5, wherein the crosslinked acid 5 polysaccharide contained in the suspension has an average particle size of from 100  $\mu\text{m}$  to 1 mm.

10. The adhesion inhibiting material according to any one of Claims 1 to 9, which is colored so as to facilitate identification of the application site of the adhesion 10 inhibiting material.